

Utah Department of Environmental Quality
Division of Environmental Response and Remediation

Request for Region 8 START Services

PROJECT: CERCLA Site Inspection Sampling at
5600 South 900 East Plume (CERCLIS ID# UTN000802664)
Murray, Salt Lake County, Utah

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SAMPLING DATE: Tentatively November 24 or December 1, 2008.

SCOPE OF WORK: The START contractor will need to notify Blue Stakes Utility Notification Center (800-662-4111) no more than five days prior to the established Site sampling date. If a Site meeting is requested by the utility locators the START contractor will need to be present for the Site meeting. Site meetings typically occur at least two days prior to the site sampling date.

Sampling at the 5600 South 900 East Plume Site will require the collection of eleven groundwater and soil samples (see attachment). Groundwater and soil samples will be collected with the use of direct-push technology. The soil samples will be collected as soil cores from the borings using a hollow stem and plastic sleeves. The continuous borings will be analyzed in the field using a Photoionization Detector (PID) in increments of no less than one sample for every five feet of boring. Soil samples will be collected from the area of the boring with the highest PID reading or directly above groundwater in the event that no elevated readings are detected with the PID. Additionally, depth to groundwater is expected to be at depths of 8-9 feet. Disposable bailers or a bladder pump may be required for groundwater collection greater than 20 feet.

START contractor will need to supply PID, peristaltic pump, tubing, bladder pump and/or disposable bailers for sample collection. START contractor will need to supply bentonite for backfilling all direct-push borings.

Three groundwater samples adjacent to existing municipal wells will be collected; the New Howe well to the southeast, the Highland Dairy well to the northwest and 5th E well #3 also to northwest is planned during the sampling event. A background sample located 0.5 miles southwest of the Site is also planned.

All of the soil and groundwater samples will be analyzed for volatile organic compounds.

SCHEDULE OF WORK: Sampling for the 5600 South 900 East Plume Site is tentatively scheduled for November 24 or December 1, 2008. Sampling should take between 1 - 2 days.

WORK REQUEST FORM

For the 5600 South 900 East Plume

Attn: Kim Viehweg

Estimated Sampling Date: TBA

	ITEM	DESCRIPTION	COMPLETION DATE
1.	Mobilization/Demobilization.	Determined by START contractor	
2.	Pre-Installation/Utility location notification	Notification to Blue Stakes will need to occur no more than 5 business days prior to sampling	TBA
3.	Pre-Installation/Utility location meeting	Utility locators may request a site meeting to identify boring locations	TBA
4.	Collection of ground water samples	Eleven borings completed with direct-push unit to depths of at least 8 feet bgs.	TBA
5.	Collection of subsurface soil samples	Eleven samples collected from boring locations. Samples collected from area of borings with highest PID reading.	TBA
6.	Collection of grab samples, municipal wells, private wells and opportunity samples.	Three ground water samples from existing municipal wells on site will be collected.	TBA
7.	Site reclamation/abandonment	All borings will need to be backfilled with bentonite.	TBA
8.	Lodging and meal allowance	Determined by START contractor	

CONTRACTORS COMMENTS: _____

Table 1

Summary of Sample Collection
5600 South 900 East Plume

Field Sample No.	Matrix	Container ¹	Location	Rationale	VOCs	QA/QC
5600-GW-01, 5600-SO-11	Water/Soil	40 mL Vials, Glass Jars	Parking Lot New Howe Well	Test for VOCs	X	MS/MSD ²
5600-GW-02, 5600-SO-12	Water/Soil	40 mL Vials, Glass Jars	Parking Lot Red Hanger Cleaners	Test for VOCs	X	
5600-GW-03, 5600-SO-13	Water/Soil	40 mL Vials, Glass Jars	Parking Lot Jiffy Lube	Test for VOCs	X	
5600-GW-04, 5600-SO-14	Water/Soil	40 mL Vials, Glass Jars	Parking Lot 7-11	Test for VOCs	X	
5600-GW-05, 5600-SO-15	Water/Soil	40 mL Vials, Glass Jars	Parking Lot 7-11	Test for VOCs	X	
5600-GW-06, 5600-SO-16	Water/Soil	40 mL Vials, Glass Jars	Parking Lot 7-11	Test for VOCs	X	
5600-GW-07, 5600-SO-17	Water/Soil	40 mL Vials, Glass Jars	Parking Lot Valley Bank	Test for VOCs	X	
5600-GW-08, 5600-SO-18	Water/Soil	40 mL Vials, Glass Jars	Parking Lot Valley Bank	Test for VOCs	X	Blind Duplicate ²
5600-GW-09 5600-SO-19	Water/Soil	40 mL Vials, Glass Jars	Up gradient	Test for VOCs	X	Background
5600-GW-10 5600-SO-20	Water/Soil	40 mL Vials, Glass Jars	Parking Lot 5th E Well #3	Test for VOCs	X	
5600-GW-11 5600-SO-21	Water/Soil	40 mL Vials, Glass Jars	Parking Lot Highland Dairy Well	Test for VOCs	X	
5600-GW-12 5600-SO-22	Water	40 mL Vials	Cooler	Detect Introduced Contamination	X	Trip Blank

¹ Soil samples require one 4-oz glass jar for each analysis.

¹ Water samples require three 40 mL glass vials preserved with HCL for VOC analysis.

² Blind Duplicate for water and soil will be labeled on the Chain of Custody as a separate sample.

² MS/MSD requires triple volume for VOCs in water sample.